

# Living the whole life is not sure we have had the luck to witness these extremely rare weather phenomena

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1. Explain the strange 'ghost rainbow' phenomenon
2. Deciphering the "natural wind" mystery makes researchers headache
3. White rainbow, glowing sky, thunder storm and the most bizarre weather phenomena in the past year!

## 1. The wind Willy

The wind Willy, also known as the "dust demon" is the wind that can form a spiral towards the sky with a height of more than 300m.



Different from the usual tornado formed from the sky, the Will wind was born and moved on the ground. As he moved, it entailed countless dust and debris of objects .

## 2. Pea cloud



Even though it is nearly 100 km away, it is still possible to observe this unique shaped cloud. The pea cloud is formed when the wind blows through the hills, when the air achieves the proper moisture, creating ripples that have a special shape for the clouds.

Due to the special shape, many people mistook it for an alien flying saucer.

### **3. Catatumbo lightning**



The Catatumbo lightning only appears on the Catatumbo river in Venezuela. Here, this phenomenon can occur up to 160 days in a year and each occurrence lasts up to 10 hours.

This phenomenon occurs when cold, warm water meets and releases methane. This gas increases the electrical conductivity of clouds on it.

### **4. Red lightning - Lightning Sprites**



An astronaut captured the rare image of red lightning from the universe.(Photo: NASA / JSC)  
The blue lightning that we often see comes from being negatively charged and in the form of a blue light pulse. Sprites are created by the positive charge between the cloud and the ground. They appear above storm clouds at a distance of 80km to 145km above the ground, with many different shapes and only last for a few seconds.

### 5. Saint Elmo's fire

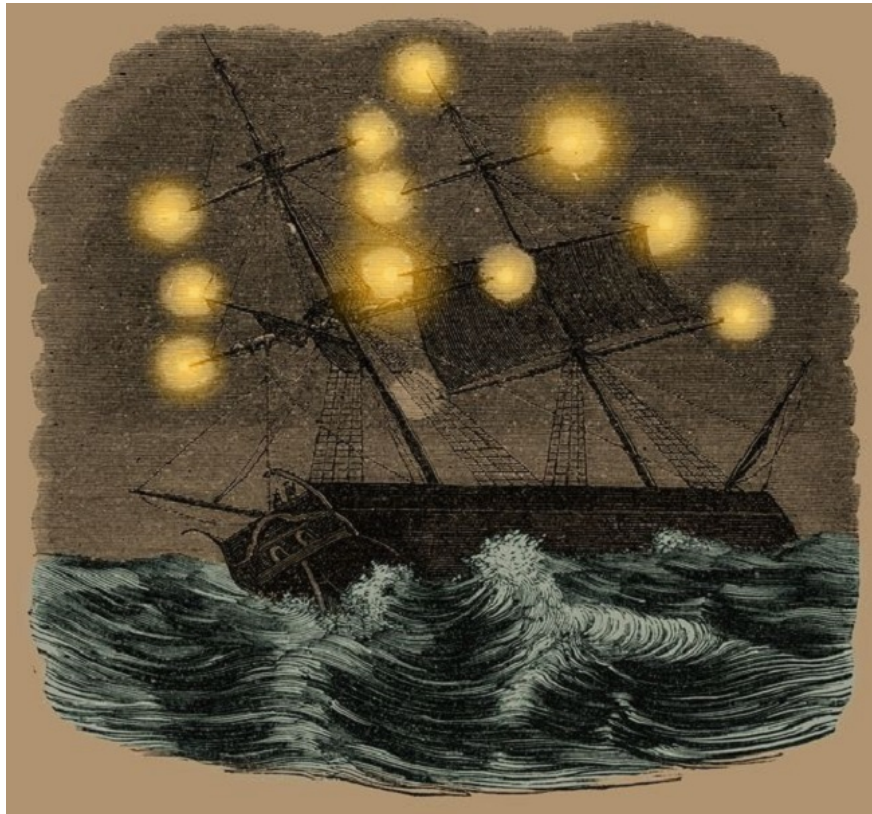


Photo: Alamy.

This bizarre phenomenon is named after a patron saint for sailors and is portrayed as floating fireballs, jumping on the ship's mast.

Saint Elmo's fire formed static electricity during storms, thunder and lightning on sharp objects, in high position.

## **6. Whirlwind of fire**



Photo: Alamy.

This phenomenon is considered fierce 'fire demon'. When a tornado 'accidentally' encounters a forest fire, the two combine to form a tornado of fire.

The fire tornado varied in size and time appeared long.

## **7. Huge hail particles**



Photo: Mother nature network.

The exceptionally large, special hailstones fall from the sky in rare storms.

The largest hailstone ever appeared with a diameter of 20.3cm and weighed nearly 1kg in the US on July 23, 2010.

### **8. The ball of lightning - lightning**



Photo: Alamy.

A lightning ball is a phenomenon of light balls floating in the sky during storms. The size of these lightning balls is very diverse, they can be as small as a golf ball but can be as big as a football.

In particular, the largest lightning ball ever discovered with a diameter of nearly 2.5m and causing great damage, it can destroy an entire building.

## 9. "Bubble storm"



Photo: SWNS - Leeds SWNS.com

After the super-big storm, the white foam like soap bubbles was covered by big waves on the shore, causing a bubble phenomenon.

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